Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

1319: Research, Development, Test & Evaluation, Navy

PE 0604771N: Medical Development

BA 5: Development & Demonstration (SDD)

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	39.457	56.692	12.337	0.300	12.637	14.054	14.083	11.056	11.357	Continuing	Continuing
0933: Medical/Dental Equipment Dev	7.544	9.847	12.337	0.300	12.637	14.054	14.083	11.056	11.357	Continuing	Continuing
9999: Congressional Adds	31.913	46.845	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	172.667

A. Mission Description and Budget Item Justification

Congressional Add Details (\$ in Millions, and Includes General Reductions)

A. Mission Description and Budget Item Justification: The purpose of this item is to develop biomedical equipment and related techniques to reduce morbidity; to enhance the logistic feasibility of modern medical care for combat casualties; to sustain casualties for evacuation to fixed medical facilities for definitive care; and to ensure that personnel are medically qualified for military duty. Each work unit undertaken in this project has a military requirement. Efforts are justified based upon military payoff and cost benefit. There is a strong potential for dual use, technology transfer, and biotechnology firms/industry participation in the projects.

B. Program Change Summary (\$ in Millions)

Project: 9999: Congressional Adds

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	39.725	9.888	0.000	0.000	0.000
Current President's Budget	39.457	56.692	12.337	0.300	12.637
Total Adjustments	-0.268	46.804	12.337	0.300	12.637
 Congressional General Reductions 		-0.236			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		47.040			
 Congressional Directed Transfers 		0.000			
 Reprogrammings 	0.000	0.000			
SBIR/STTR Transfer	-0.268	0.000			
 Program Adjustments 	0.000	0.000	12.337	0.000	12.337
Rate/Misc Adjustments	0.000	0.000	0.000	0.300	0.300

FY 2009

FY 2010

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R-1 Line Item #124 Page 1 of 16

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy		DATE: February 2010)
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development		
Congressional Add Details (\$ in Millions, and Includes General	ral Reductions)	FY 2009	FY 2010
Congressional Add: Biocidal Wound Dressings		0.000	1.195
Congressional Add: Deployment Health and Chronic Disease	Surveillance	0.000	0.797
Congressional Add: Integrated Psycho-Social Health Care De	emonstration Program	0.000	0.996
Congressional Add: Management of Lung Injury by Micronutr	ients	0.000	1.195
Congressional Add: Multivalent Dengue Vaccine Program		0.000	1.275
Congressional Add: National Functional Geonomics Center C	Colloborating Site	0.000	3.187
Congressional Add: Simplified Orthopedic Surgery		0.000	4.222
Congressional Add: Wound Care Research (transferred from	Defense Health Program)	0.000	12.946
Congressional Add: MILITARY DENTAL RESEARCH		5.984	5.975
Congressional Add: Advanced Molecular Medicine Initiative		1.995	0.797
Congressional Add: ON-DEMAND CUSTOM BODY IMPLAN	TS/PROSTHESIS FOR INJU	1.596	1.593
Congressional Add: HAMPTON UNIVERSITY CANCER TRE	ATMENT INITIATIVE	7.977	3.983
Congressional Add: Mobile Oxygen, Veniliation & External Su	uction (Mo	1.197	2.709
Congressional Add: US NAVY PANDAMIC INFLUENZA VAC	CINE PROGRAM	1.596	1.593
Congressional Add: PENN STATE CANCER INSTITUTE		2.792	0.000
Congressional Add: Composite Tissue Transplanation for Col	mbat Wounded	1.995	1.992
Congressional Add: Heal The Force		2.792	0.000
Congressional Add: Topical Homostat Effectiveness Study		0.798	0.000
Congressional Add: US Navy Cancer Vaccine Program		2.393	2.390
Congressional Add: Disposable Biocidal Medical Masks for N	IAMRU Evalua	0.798	0.000
	Congressional Add Subtotals for Project:	9999 31.913	46.845
	Congressional Add Totals for all Pro	jects 31.913	46.845

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R-1 Line Item #124 Page 2 of 16

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development	
Change Summary Explanation Technical: Not applicable.		
Schedule: Not applicable.		
FY11 from previous President's Budget is shown as zero becau	ıse no FY11-15 data was presented in President's Budget 201	0.

Exhibit R-2A, RD1&E Project Just	ification: Pl	3 2011 Navy	1						DAIE: Feb	DATE: February 2010		
APPROPRIATION/BUDGET ACTIV 1319: Research, Development, Test BA 5: Development & Demonstration	& Evaluatio	n, Navy			I OMENCLA 1N: <i>Medical</i>		nt	PROJECT 0933: Medi	ROJECT 33: Medical/Dental Equipment Dev			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost	
0933: Medical/Dental Equipment Dev	7.544	9.847	12.337	0.300	12.637	14.054	14.083	11.056	11.357	Continuing	Continuing	
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0			

A. Mission Description and Budget Item Justification

The purpose of this item is to develop biomedical equipment and related techniques to reduce morbidity; to enhance the logistic feasibility of modern medical care for combat casualties; to sustain casualties for evacuation to fixed medical facilities for definitive care; and to ensure that personnel are medically qualified for military duty. Each work unit undertaken in this project has a military requirement. Efforts are justified based upon military payoff and cost benefit. There is a strong potential for dual use, technology transfer, and biotechnology firms/industry participation in the projects.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Medical/Dental Equipment Dev	7.544	9.847	12.337	0.300	12.637
FY 2009 Accomplishments: PreClinical Trials for FDA approval of an Infusible Hemostatic Agent - Initiated final preclinical trials of platelet derived hemostatic agents. Two candidate agents will be compared in a parallel effort. The outcomes will drive subsequent FDA Safety/Efficacy Trials of the infusible hemostatic agent selected from preclinical tests. The agent is designed for applications to non-compressible injuries. Heterotopic Ossification Incidence - Researched clinical procedures for reducing the incidence and severity of Heterotopic Ossification (HO) associated with traumatic injury. Identified potential modifications of clinical causes and timing of interventions.					
The Use of the Vacuum Assisted Wound Closure Device and Quantitative Bacteriology in Extremity Wound Closure transitioning to Wound Management Program - Finalized Clinical Protocols for use					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy		DATE : February 2010					
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				ROJECT 933: Medical/Dental Equipment Dev			
B. Accomplishments/Planned Program (\$ in Millions)	'		1				
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
of cytokine/growth factor expression in reducing associated debric transition to standard clinical practice at medical treatment facilitie	-						
Monitoring, Oxygen Ventilation and External Suction (MOVES) Sy of MOVES to reduce weight and cost for subsequent production requirements. Continued Configuration Management of MOVES a	uns. Incorporated joint service						
Forward-Deployable Dental Dressing Developmental/Operational Final Field Testing of ruggedized delivery system for the novel der							
Restoration of Endodontically-Treated or Compromised Teeth to F Fracture Using Computer-Aided Direct Ceramic/Composite Full-C transition of CEREC protocols to clinical practice. Cybertech Cric Cricothyroidotomy Device - Conducted late Develon human factors and ruggedization of Low Rate Initial Production cripoint program with the USMC and US Army.	overage Restoration - Initiated opmental Test & Evaluation for						
Refinement and Development of Medical Planning Factors Among technologies for medical planning. Updated and augmented algor available data sources. Transitioning final product to medical plan	ithms using data collected from						
Transition Projects from Force Health Protection Future Naval Cap Testing, and Evaluation program for transition products from the Cap Advanced Development program. Focus will be on transition of nethemostatics and field/first responder devices). Establishing a 3D Craniofacial Image Protocol and Pre-Injury Data the pre-traumatic 3D image database for soft and hard tissue for under the pre-traumatic 3D image database.	Office of Naval Research 6.3 ovel hemostatic agents (e.g. infusible abase - Continued refinement of						

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy				DATE: Feb	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development	nt	PROJECT 0933: Med	lical/Dental Equipment Dev		
B. Accomplishments/Planned Program (\$ in Millions)			'			
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
reconstruction of craniofacial abnormalities or traumatic injurisurgical guides to decrease OR time and increase predictabil Validation of a Readiness to Fly Assessment Tool - Continue assessment tool. The tool is computer-based and used to as based on cognitive abilities crucial to heavy mental workload fatigue. Development of the Medical Force Planning Factors - Measu medical care and preventive gear. Clinical Evaluation of a Vaxfectin TM - Formulated Tetravaler Continued clinical investigations trials on four serotypes of de Evaluation of HemCon's Dental Dressing for Controlling Hem stability/shelf-life of the product under extreme environmental FY 2010 Plans: Clinical Evaluation of a Vaxfectin TM - Formulated Tetravaler Continue clinical investigations trials on four serotypes of den Phase I Clinical Trials for FDA approval of an Infusible Hemo. Trials of the infusible hemostatic agent selected from preclinic applications to non-compressible injuries. Transition to US A Agency for Phase II. Mobile Oxygen Ventilation and External Suction (MOVES) Ar MOVES anesthesia module.	ity of surgical outcomes. d Validation of an operational readiness sess an aviator's readiness to fly. It is of aircraft operations and the effects of red the effectiveness of combat casualty at Dengue DNA Vaccine (VTDDV) - engue. orrhage - Finalize the assessment of the operating conditions. at Dengue DNA Vaccine (VTDDV) - engue. static Agent - Complete Phase I Safety cal tests. The agent is designed for rmy Medical Materials Development					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy			DATE: February 201		ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development		PROJECT 0933: Medical/Dental Equipment Dev			ev
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Joint Development Projects with MARCORSYSCOM Medical A Testing and Evaluation program for medical products and equi Procurement. Transition Projects from Force Health Protection Future Capable and Evaluation program for transition products from the Office Development program. Focus will be on transition of novel her hemostatics and field/first responder devices).	pment. Finalize development for USMC sility - Initiate Development, Testing, of Naval Research 6.3 Advanced					
FY 2011 Base Plans: Joint Development Projects with MARCORSYSCOM Medical A Testing and Evaluation program for medical products and equi Procurement. Transition Projects from Force Health Protection Future Capable and Evaluation program for transition products from the Office Development program. Focus will be on transition of novel her hemostatics and field/first responder devices). USMC Participation in the National Institute of mental Health (I report on risks and protective factors associated with increased supporting the development of evidence-based prevention, ass Assessment and reporting will be in accordance with MOU development.	pment. Finalize development for USMC vility - Initiate Development, Testing, of Naval Research 6.3 Advanced mostatic agents (e.g. infusible NIMH) Suicide Study - Provide annual discides among Marines, while sessment, and treatment services.					
FY 2011 OCO Plans: Combined Maritime Acoustic Device and Optical (Laser) Field requirement, an evaluation of various commercial off-the-shelf shelf (GOTS) Non-Lethal Weapons (NLW) technology is require combined Acoustic and Laser device as a long range NLW hai acquisition to deploy these types of systems in-theater will be obased on this evaluation.	(COTS) and government-off-the- red to determine the effectivess of a ling and warning device. The future					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE 1319: Research, Development, Test & Evaluation, Navy

BA 5: Development & Demonstration (SDD)

PE 0604771N: Medical Development

PROJECT 0933: Medical/Dental Equipment Dev

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Accomplishments/Planned Programs Subtotals	7.544	9.847	12.337	0.300	12.637

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Milestone reviews.

DATE: February 2010

0.000

0

172.667

0.000

APPROPRIATION/BUDGET ACTIV 1319: Research, Development, Tes BA 5: Development & Demonstration	t & Evaluatio	on, Navy			IOMENCLA 1N: <i>Medical</i>	TURE Developmei	nt	PROJECT 9999: Cong	PROJECT 9999: Congressional Adds		
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost

0.000

0

0.000

0

0.000

0

0.000

0

0.000

0

A. Mission Description and Budget Item Justification

31.913

0

46.845

0

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy

Congressional Adds

9999: Congressional Adds

Quantity of RDT&E Articles

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010
	0.000	1.195
Congressional Add: Biocidal Wound Dressings		
FY 2010 Plans:		
This project will procure for testing and evaluation low levels of wound dressings, which are able to remove more than 99.999% of bacteria, fungi and viruses passing through their media.		
	0.000	0.797
Congressional Add: Deployment Health and Chronic Disease Surveillance		
FY 2010 Plans:		
This project will demonstrate and evaluate patient encounter points in the Arlington Health Clinics and provide lessons learned for health care record surveillance to the Department of Defense as a demonstration project. This demonstration will leverage civilian operational clinical settings in Northern Virginia and then evaluated for deployment applicability within the DoD.		
Congressional Add: Integrated Psycho-Social Health Care Demonstration Program	0.000	0.996

0.000

0

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy				DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development PROJECT 9999: Cong		gressional Adds	
B. Accomplishments/Planned Program (\$ in Millions)				
		FY 2009	FY 2010	
FY 2010 Plans: This project will enhance healthcare for US service members and t address their unique psychological healthcare needs through the u population management models. it will target a pilot population of I Military Treatment Facility area.	se of industry-leading targeted			
Congressional Add: Management of Lung Injury by Micronutrients		0.000	1.195	
FY 2010 Plans: Continue a pilot project that defined oxidative damage and inflamm military recruits and made a preliminary assessment of the effects supplementation. The prospective, randomized double blind, place impact on respiratory disease, military readiness and quality of life, antioxidant levels, markers of oxidative damanage and inflammation.	of antioxidant micronutrient bo-controlled study will evaluate as well as laboratory data including			
Congressional Add: Multivalent Dengue Vaccine Program FY 2010 Plans: Continue work to manufacture the two vaccine mixture under Good conditions for a Phase I clinical investigation; conduct the Phase I dest a single vaccine candidate that will produce neutralizing antibor vaccinated animals.	clinical trial; and develop and	0.000	1.275	
Congressional Add: National Functional Geonomics Center Colloborating	ng Site	0.000	3.187	
FY 2010 Plans: This project will establish the Penn State Center for Pharmacogene of samples from every cancer patient that visits Penn State.	etics, which will create a repository			

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development PROJECT 9999: Cong		gressional Adds	
B. Accomplishments/Planned Program (\$ in Millions)				
		FY 2009	FY 2010	
Congressional Add: Simplified Orthopedic Surgery		0.000	4.222	
FY 2010 Plans: This project will further develop a computer-aided system that simp procedures by enabling them to be performed more accurately and and expensive mechanical jigs.				
Congressional Add: Wound Care Research (transferred from Defense H	Health Program)	0.000	12.946	
FY 2010 Plans: This project will support research for the advancement of deep tissi will be accomplished through: a study of mechanisms for enhancer for identifying wound healing progression, most efficacious treatme regimens. It will also explore the use of amnion-derived, multipoter of acute wounds in a relevant animal model of acute injury. This wi investigations and support of clinical studies that include biomarker used to promote development of a Good Manufacturing Practice fa unique cells important to positive healing outcomes.	d wound healing, novel methods nt protocols, and novel therapeutic nt progenitor cells for the treatment ill support molecular and cellular and other analysis, which can be			
Congressional Add: MILITARY DENTAL RESEARCH		5.984	5.975	
FY 2009 Accomplishments: Developed innovative designs for dental care and dental health for Conducted critical research in development of rapid-read diagnostic measures that will help reduce the severity and number of casualtic emergencies.	c tests and other protective			

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development	PROJECT 9999: Cong	gressional Adds
B. Accomplishments/Planned Program (\$ in Millions)			
	FY 2009	FY 2010	
FY 2010 Plans: Develop Antimicrobial Nanoemulsions to prevent infections i treatment required for dental emergencies occuring in deploy research in development of antimicrobial resin.			
Congressional Add: Advanced Molecular Medicine Initiative	1.995	0.797	
FY 2009 Accomplishments: Conducted research to identify patients' individual cancer ce treatment of cancer and to understand more fully why the hu cancer cells.			
FY 2010 Plans: Continue research to improve cancer therapy primarily throu cell targeting, with a focus on radiation therapy, in addition to radiation resistance for potential casualties.			
Congressional Add: ON-DEMAND CUSTOM BODY IMPLANTS/I	1.596 PROSTHESIS FOR INJU	1.593	
FY 2009 Accomplishments: Continued testing and evaluation of Phase I efforts to develor necessary for rapid prototyping and delivery of prostheses. It procedures to prosthesis manufacturing technology.			
FY 2010 Plans: Continue testing and evaluation of Phase I efforts to develop necessary for rapid prototyping and delivery of prostheses. procedures to prosthesis manufacturing technology.	•		

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development	t	PROJECT 9999: Congressional Adds	
B. Accomplishments/Planned Program (\$ in Millions)				
		FY 2009	FY 2010	
Congressional Add: HAMPTON UNIVERSITY CANCER TREATM	MENT INITIATIVE	7.977	3.983	
FY 2009 Accomplishments: Continued research on advanced technologies for diagnosis emphasis has been placed on military and military veterans.				
FY 2010 Plans: Continue research on advanced technologies for diagnosis a emphasis will be placed on military and military veterans.	and treatment of cancer. Particular			
Congressional Add: Mobile Oxygen, Veniliation & External Suction	on (Mo	1.197	2.709	
FY 2009 Accomplishments: Initiated reconfiguration of Low Rate Initial Production (LRIP) and External Suction System (MOVES) for human factors, w MOVES was specifically targeted to reduce weight and cost. services into LRIP units as part of the planned next generation Designed configurations based on feedback from the warfight care.	units Monitoring, Oxygen Ventilation reight, cube and cost. Reconfiguration of Incorporated requirements from other on research and development spiral.			
FY 2010 Plans: Continue reconfiguration of Low Rate Initial Production (LRIF and External Suction System (MOVES) for human factors, w of MOVES is specifically targeted to reduce weight and cost services into LRIP units as part of the planned next generation Design configurations based on feedback from the warfighte	reight, cube and cost. Reconfiguration Incorporate requirements from other on research and development spiral.			
Congressional Add: US NAVY PANDAMIC INFLUENZA VACCIN	IE PROGRAM	1.596	1.593	

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development		PROJECT 9999: Congressional Adds	
B. Accomplishments/Planned Program (\$ in Millions)				
		FY 2009	FY 2010	
FY 2009 Accomplishments: Determine incidence and severity of pandemic influenza in active determine the extent to which this disease may be preventable thro				
FY 2010 Plans: Initiate research to develop safe and effective pandemic influenza vassure and protect the health of military personnel with these vaccin	·			
Congressional Add: PENN STATE CANCER INSTITUTE		2.792	0.000	
FY 2009 Accomplishments: Continued research and development efforts in support of the new Penn State Cancer Institute (PSCI) and the focus on expansion of translational cancer research capabilities in the areas of the breast, colon, and treatment of cancer.				
Congressional Add: Composite Tissue Transplanation for Combat Wour	nded	1.995	1.992	
FY 2009 Accomplishments: Initiated effort to establish a multidisciplinary center for the systema tissue transplantation. This center will conduct mechanistic studies and rejection of transplanted tissues and establish a capability to contransplantation. The program will include a strategy to collect and a to further the knowledge base on composite tissue transplants and immunosuppressive treatments.	on the immune response onduct clinical trials in hand analyze clinical data and materials			

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604771N: Medical Development PROJECT 9999: Cong.		gressional Adds	
B. Accomplishments/Planned Program (\$ in Millions)				
		FY 2009	FY 2010	
FY 2010 Plans: These funds will be executed through an existing cooperative agre Business Center to Emory University. The FY 10 funds will be use transplants.				
Congressional Add: Heal The Force		2.792	0.000	
FY 2009 Accomplishments: Ensured continued delivery of quality product and services to West rural health and provide additional capabilities and features tailored features are additional chronic disease registries guided by national ePrescribing, and enhanced patient education and support the exp collaboration with the National Technology Transfer Center.	d to this state. Examples of these al standards and local clinical input,			
Congressional Add: Topical Homostat Effectiveness Study		0.798	0.000	
FY 2009 Accomplishments: Designed and tested medical technologies and agents that decrease followed a review of existing commercial over-the-shelf hemostatic				
Congressional Add: US Navy Cancer Vaccine Program		2.393	2.390	
FY 2009 Accomplishments: Began development of a novel prostate cancer vaccine in conjunct supported the development of an IND submission needed for FDA clinical trial at the VA San Diego Healthcare System, located in Sal who have received previous treatment (surgery, radiation or radioa a rising PSA participate in the study.	approval. Initiated a Phase IA/B n Diego, CA. US military veterans			

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R-1 Line Item #124 Page 15 of 16

Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

PROJECT

1319: Research, Development, Test & Evaluation, Navy PE 06047

BA 5: Development & Demonstration (SDD)

PE 0604771N: Medical Development

9999: Congressional Adds

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010
FY 2010 Plans: Continue development of a novel prostate cancer vaccine in conjunction with Oncbiomune, LLC. Continue a Phase IA/B clinical trial at the VA San Diego Healthcare System, located in San Diego, CA. US military veterans who have received previous treatment (surgery, radiation or radioactive seed implants) and now have a rising PSA participate in the study.		
Congressional Add: Disposable Biocidal Medical Masks for NAMRU Evalua	0.798	0.000
FY 2009 Accomplishments: Conducted field and laboratory evaluation of human factors and efficacy of N95 Respirator with antimicrobial protection (Triosyn). Masks will be evaluated for form, fit, and function in select environments where conventional masks are used. Focus will be on field evaluations where infection control is a critical issue.		
Congressional Adds Subtotals	31.913	46.84

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Congressional Adds